Liam Barstad

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Mission

Programming, to me, is the canvas on which to illustrate. I am passionate about coding, and would like to paint upon that canvas with optimal algorithms, mathematical analysis, and artistry. I love to cooperate and cultivate input from as many viewpoints as possible, so that the technology I help create will best represent the community as a whole. I care about creating a friendly and compassionate work place environment that myself and my coworkers can share. I will attack problems relentlessly, and find excitement in challenging myself and learning along the way.

Skills

Ruby · Rails · ActiveRecord · RSpec

JavaScript · NodeJS · React Native · iOS

Enzyme · jQuery · ExpressJS · Mocha/Chai

Python · Django · Linear Classification

HTML · CSS · OOP · SQL · Neo4j

Solidity · RabbitMQ · Agile Development

Neural Networks · C++

Education

Turing School of Software and Design

Back End Development 06/2017 - 03/2018

Turing involves approximately 1600-2000 hours of training and teaching. The program gives students the devices to learn and integrate practically any new technology and teaches valuable soft skills, agile development, and the intricacies of object oriented programming and design.

Front Range Community College

Applied Mathematics 08/2016 - Present

Front Range offered me an understanding of programming and C++, and aided in the development of mathematical, analytical, and peripheral skills.

Projects

Ping Timer

A timer in **React Native** that allows users to time various activities. Users can receive **Push Notifications** at set intervals and set custom notifications. Uses **Realm** as an onboard key-value store.

Battle Buddy

A mobile alarm app built in **React Native**, and deployed using **Expo**. Built to allow users to associate a location, such as a workplace or morning destination, to their morning alarm, using the **MapView API**.

Le Pivot

The Pivot was originally a single shop **Rails** application. Along with a team of three other programmers, we turned the application into a **Multi-Tenanted** website. Features were added such as **Stripe**, quick checkout, live messaging, **Oauth**, and shipping. This project also serves as an example for proper **Git Workflow** and peer review.

Rales Engine

A **RESTful Rails API** that provides info, relationships, and business intelligence pertaining to vendor and sales information. Uses **ActiveRecord** and large datasets.

Quantified Self

An app with an **ExpressJS** back end and a **Webpack/jQuery** front end designed to keep track of the calorie count of foods and meals.

Titanic Predictor

A functional **Neural Net** built in **Python**, using the **Django** framework and **Neo4j**. The purpose of the application is to predict whether or not a user would survive the titanic, given specific inputs.

Data Fiend V2

A **Python** executable designed to chronolog changes in the stock market and used to test new strategies on prices gathered from the NSE.

This Resume

This resume, built in **HTML** and **CSS**, available in .pdf and .doc